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a half dozen distinct species have been characterized as pertaining to North America. An unworn crown of a last inferior molar tooth resembles most nearly that of the *Mastodon angustidens* of Europe, but is much larger. It has the same number of crests, but the fifth is proportionately much more developed, being divided into two lobes, about two-thirds the size of those of the fourth crest. It is also much larger than in *M. andium*, and has its lobes proportionately more robust, and is provided with a well-produced external basal ridge.

The following are comparative measurements of what appear the most closely allied forms :—

	Fore and aft.	Transverse.
Florida mastodon, . . .	9 inches.	3 $\frac{1}{2}$
<i>M. angustidens</i> , . . .	7 $\frac{1}{4}$ inches.	3 $\frac{1}{2}$
<i>M. andium</i> , . . .	8 inches.	3

Small fragments of tusks indicate the possession of a band of enamel, as in the *M. angustidens*. For the species, the name of MASTODON (TRILOPHODON) FLORIDANUS was proposed.

Among the fossils are several isolated teeth, and bones apparently indicating three species of Llama. Judging from the astragali, one was about the size of the existing South American species; another, of which there are five astragali, as large or larger than the camel, and a third of intermediate size. The measurements of the astragali are as follows :—

Large species,	Length, 100 mm.	Breadth, 70 mm.
Medium do.	65 "	42 "
Small do.	50 "	35 "

The three species may be distinguished by the names of AUCHENIA MAJOR, MINOR and MINIMUS.

Among the fossils is an astragalus of *Megatherium*.

#### JANUARY 26.

The President, Dr. LEIDY, in the chair.

Twenty-four persons present.

The following were presented for publication :—

"On a Giant Conorbis from the Oligocene Deposits of Florida," by Angelo Heilprin.

"Notes on the Tertiary Geology and Paleontology of the Southern United States," by Angelo Heilprin.

Roland D. Jones, M. D., was elected a member.

Charles Wachsmuth, of Burlington, Iowa, and Alfred M. Mayer, of Hoboken, N. J., were elected correspondents.

The following were ordered to be printed :—